

Data File : VW009543.D  
Acq On : 28 Mar 2019 17:30  
Operator : SY/VA  
Sample : K2068-12  
Misc : 5.83G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5K8RE

Quant Time: Mar 29 05:40:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 29 05:35:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 293044   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 249634   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 84221    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 116821   | 33.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 133.44% |
| 7) Chloroethane-d5             | 2.89   | 69    | 113337   | 27.66    | ug/L | 0.02    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.64% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 170763   | 22.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 90.24%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 73498    | 50.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.50% |
| 24) Chloroform-d               | 7.64   | 84    | 209619   | 26.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.84% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 129428   | 26.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 394655   | 28.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.68% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 120692   | 29.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 326930   | 25.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.72% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 43972    | 21.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.68%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 41951    | 41.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.78%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 104499   | 25.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 82372    | 25.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.04% |

#### Target Compounds

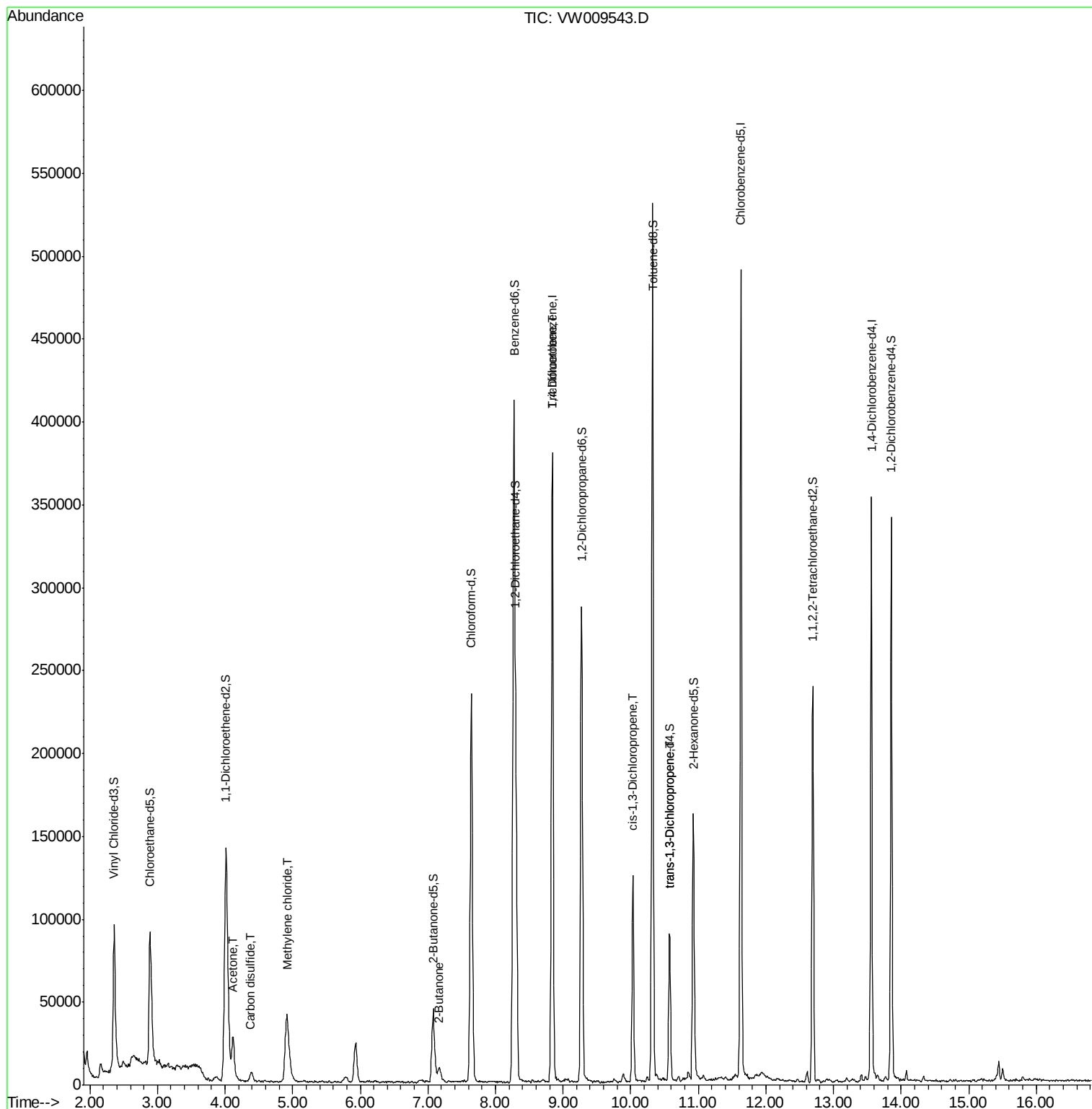
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 42993 | 36.201 ug/L  | 98     |
| 14) Carbon disulfide          | 4.37  | 76 | 2829  | 0.291 ug/L # | 88     |
| 16) Methylene chloride        | 4.92  | 84 | 35882 | 8.397 ug/L   | 89     |
| 21) 2-Butanone                | 7.17  | 43 | 13274 | 8.095 ug/L   | 78     |
| 35) Trichloroethene           | 8.84  | 95 | 9607  | 2.639 ug/L # | 4      |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 3793  | 0.664 ug/L # | 70     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 2586  | 0.521 ug/L # | 69     |

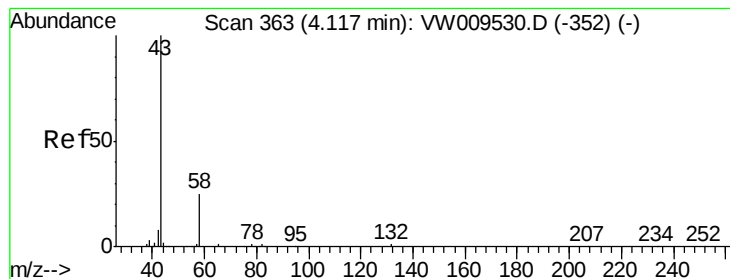
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 36.201 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009543.D

Acq: 28 Mar 2019 17:30

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MSVOA\_W

ClientSampleId :

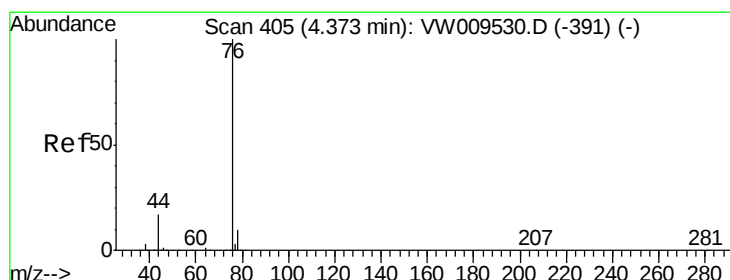
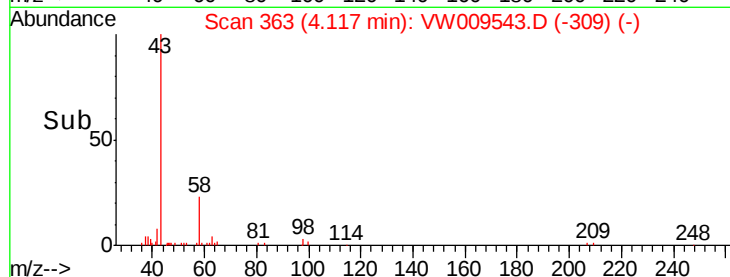
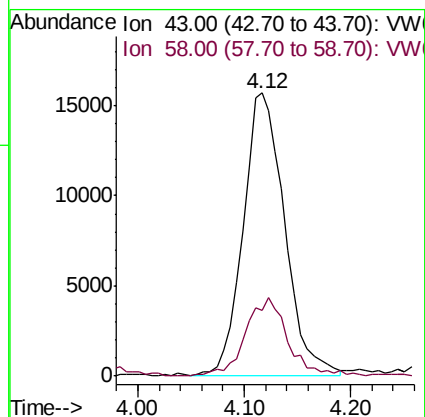
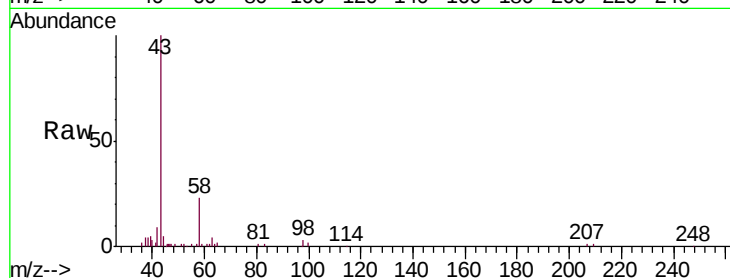
BF5K8RE

Tgt Ion: 43 Resp: 42993

Ion Ratio Lower Upper

43 100

58 27.2 0.0 56.2



#14

Carbon disulfide

Concen: 0.291 ug/L

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW009543.D

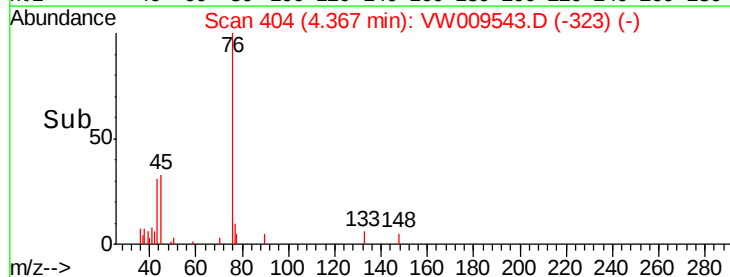
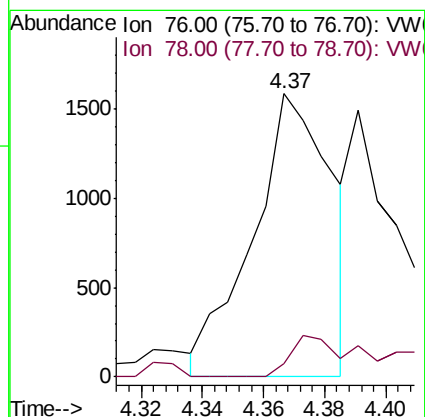
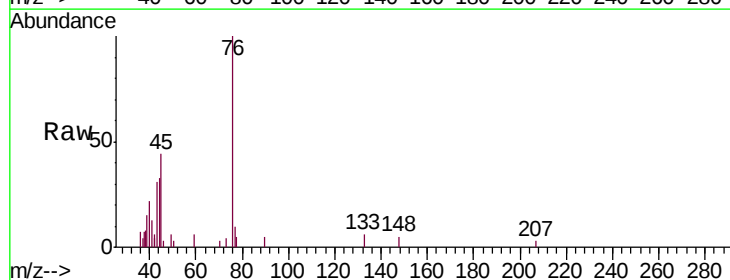
Acq: 28 Mar 2019 17:30

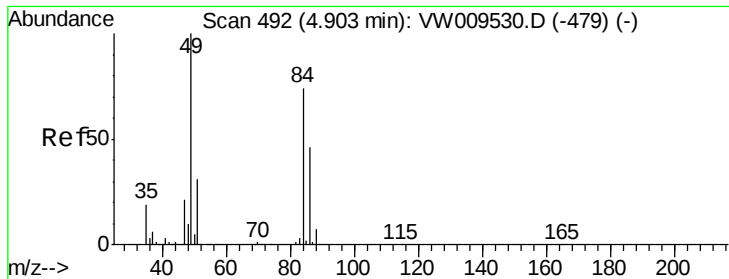
Tgt Ion: 76 Resp: 2829

Ion Ratio Lower Upper

76 100

78 4.7 7.3 10.9#

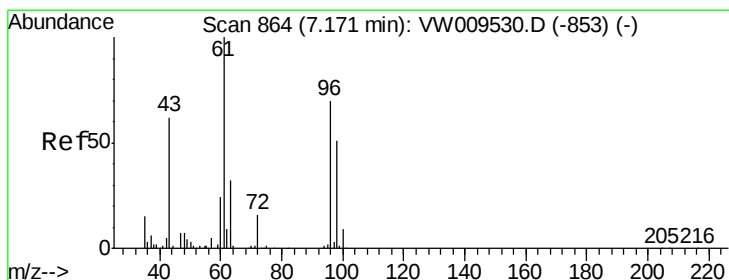
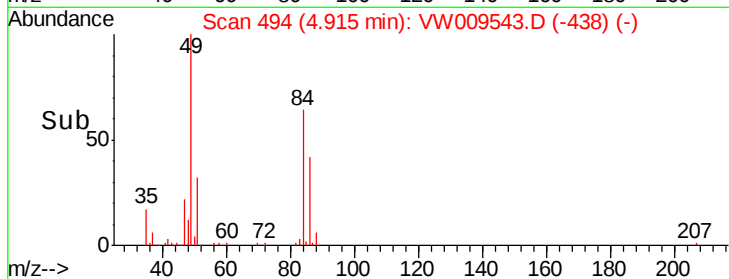
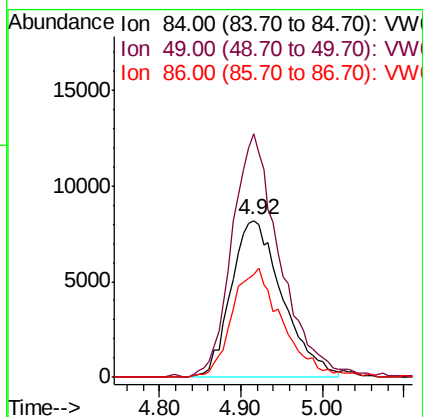
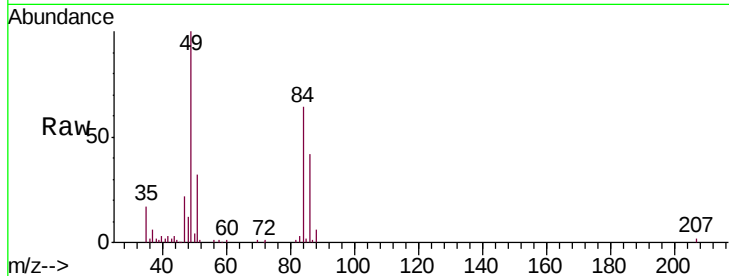




#16  
Methylene chloride  
Concen: 8.397 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW009543.D  
Acq: 28 Mar 2019 17:30

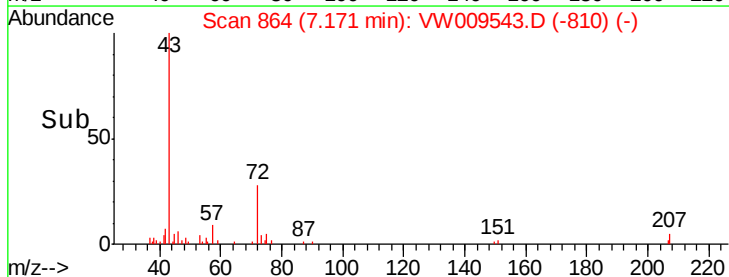
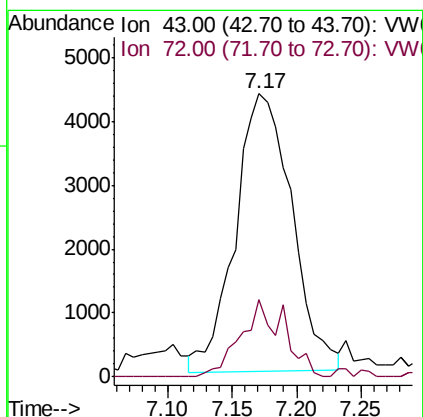
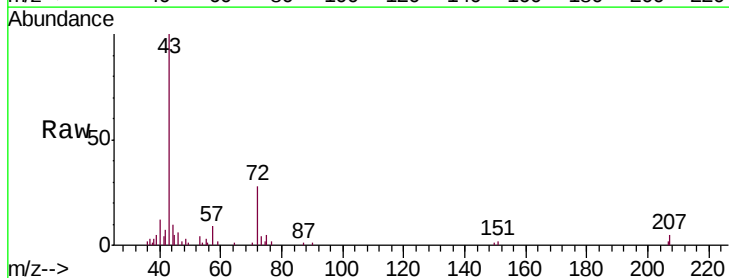
Instrument :  
MSVOA\_W  
ClientSampleId :  
BF5K8RE

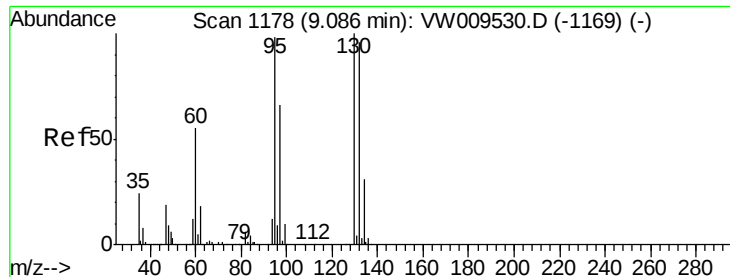
Tgt Ion: 84 Resp: 35882  
Ion Ratio Lower Upper  
84 100  
49 155.1 96.0 178.2  
86 65.6 44.4 82.5



#21  
2-Butanone  
Concen: 8.095 ug/L  
RT: 7.17 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VW009543.D  
Acq: 28 Mar 2019 17:30

Tgt Ion: 43 Resp: 13274  
Ion Ratio Lower Upper  
43 100  
72 15.0 13.1 39.1





#35

Trichloroethene

Concen: 2.639 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW009543.D

Acq: 28 Mar 2019 17:30

Instrument :

MSVOA\_W

ClientSampleId :

BF5K8RE

Tgt Ion: 95 Resp: 9607

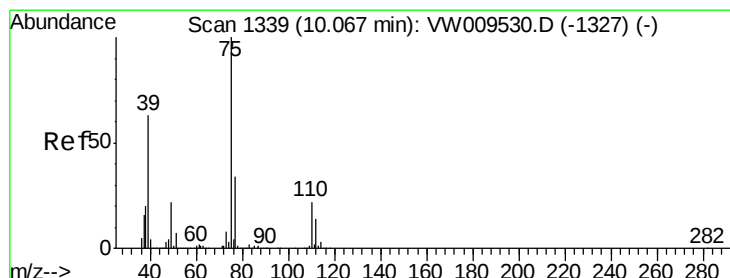
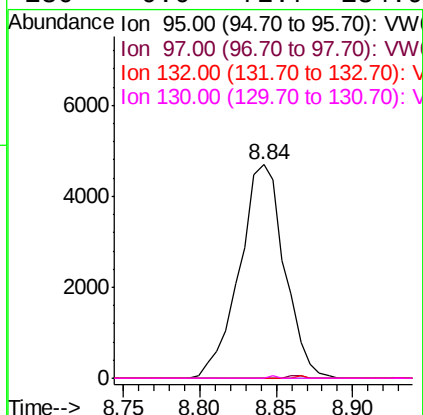
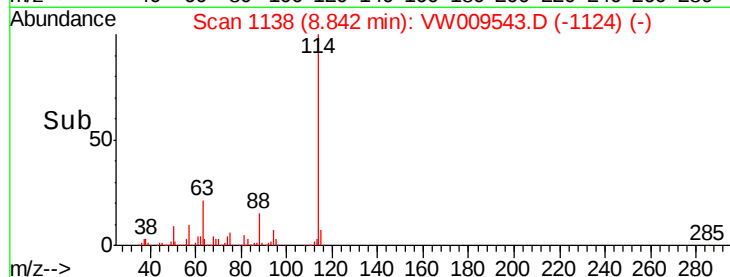
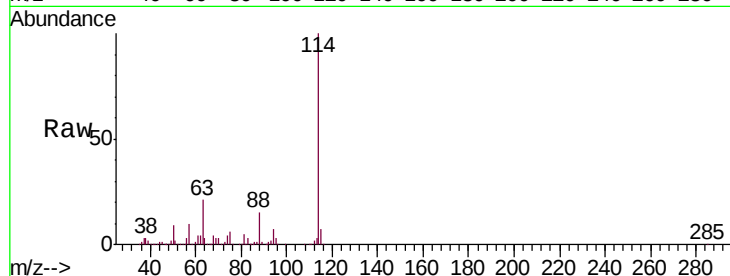
Ion Ratio Lower Upper

95 100

97 0.4 44.7 82.9#

132 0.6 69.0 128.2#

130 0.0 72.7 134.9#



#42

cis-1,3-Dichloropropene

Concen: 0.664 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009543.D

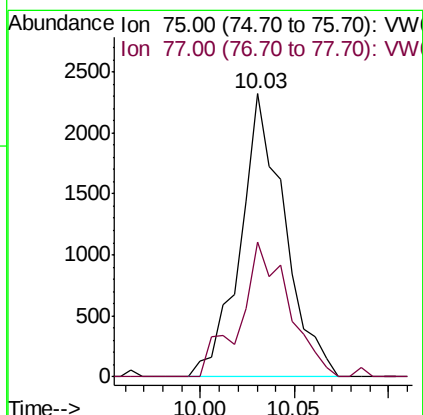
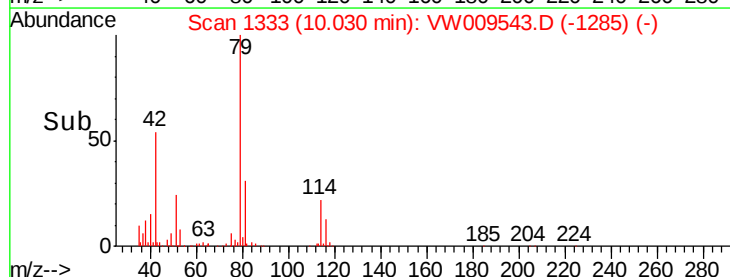
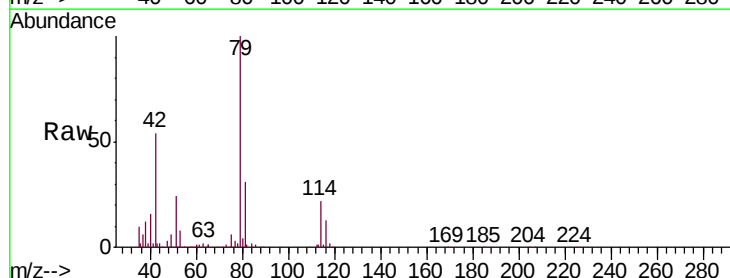
Acq: 28 Mar 2019 17:30

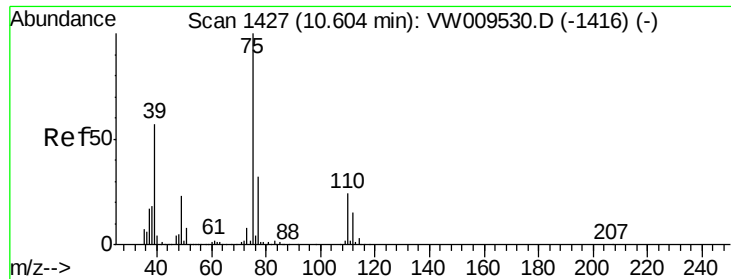
Tgt Ion: 75 Resp: 3793

Ion Ratio Lower Upper

75 100

77 47.6 21.6 40.2#





#45

trans-1,3-Dichloropropene

Concen: 0.521 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009543.D

Acq: 28 Mar 2019 17:30

Instrument :

MSVOA\_W

ClientSampleId :

BF5K8RE

Tgt Ion: 75 Resp: 2586

Ion Ratio Lower Upper

75 100

77 49.3 22.5 41.7#

